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EXAMINER

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	2622

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/053,673 Examiner Joseph R. Pokrywa	HOOVER ET AL. Art Unit 2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-101 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-101 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 24 January 2002 is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date, _____.
3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date <u>1/24/02</u> .	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____.

DETAILED ACTION

Information Disclosure Statement

1. The references listed in the Information Disclosure Statement submitted on 1/24/02 have been considered by the examiner (see attached PTO-1449).

Drawings

2. The drawings received on 1/24/02 are acceptable by the examiner.

Claim Rejections - 35 USC § 101

3. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. **Claims 54, 65, 73, 76, 82, and 83** are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 54, 65, 73, 82, and 83 are drawn to functional descriptive material NOT claimed as residing on a computer readable medium.
MPEP 2106.IV.B.1(a) (Functional Descriptive Material) states:

“Data structures not claimed as embodied in a computer-readable medium are descriptive material per se and are not statutory because they are not capable of causing functional change in the computer.”

“Such claimed data structures do not define any structural or functional interrelationships between the data structure and other claimed aspects of the invention which permit the data structure’s functionality to be realized.”

Claims 54, 65, 73, 82, and 83, while defining a program product, does not define a “computer-readable medium” and is thus non-statutory for that reasons. A program product can range from paper on which the program is written, to a program simply contemplated and memorized by a person. The examiner suggests amending the claims to embody the program product on “computer-readable medium” in order to make the claim statutory.

“In contrast, a claimed computer-readable medium encoded with the data structure defines structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure’s functionality to be realized, and is thus statutory.” - MPEP 2106.IV.B.1(a)

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. **Claims 1-101** are rejected under 35 U.S.C. 102(e) as being anticipated by Gecht *et al.* (U.S. Patent Number 6,859,832).

Regarding *claim 1*, Gecht discloses a method for mobile printing (see abstract, and Figs. 1-4), comprising the steps of obtaining a portable computing device (printer polling device 100) with a reference to a printer-independent On-the-Go-print queue (spooling queue 52 within spooling server 50) on the Internet (column 7, lines 11-67, and column 10, lines 24-59);

obtaining print data (column 7, line 26-column 8, line 19); and transferring the print data to the On-the-Go Print Queue on the Internet (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 2*, Gecht discloses the method discussed above in claim 1, and further teaches of the step of accessing the On-the-Go Print Queue to set at least one storage or print parameter (column 8, lines 45-59).

Regarding *claim 3*, Gecht discloses the method discussed above in claim 2, and further teaches that the parameter is the ordering or deletion of print jobs (column 8, lines 45-59).

Regarding *claim 4*, Gecht discloses the method discussed above in claim 1, and further teaches of a step of converting the print data to generic print data; and wherein the transferring step comprises transferring the generic print data to the On-the-Go Print Queue (column 11, line 55-column 12, line 34, and column 14, line 39-column 15, line 16).

Regarding *claim 5*, Gecht discloses the method discussed above in claim 1, and further teaches of the step of encrypting the print data (column 9, lines 4-59); and wherein the transferring step comprises transferring the encrypted print data to the On-the-Go Print Queue (column 9, lines 4-59); and wherein the obtained computing device includes a key for decryption recorded therein (column 9, lines 4-59).

Regarding *claim 6*, Gecht discloses the method discussed above in claim 5, and further teaches that the encrypting step comprises the steps of encrypting with a session key; and encrypting the session key using a public key (column 9, line 4-column 10, line 23).

Regarding *claim 7*, Gecht discloses the method discussed above in claim 5, and further teaches that the encrypting step is performed using a public key from a public key-private key pair; and wherein the key for decryption is the private key (column 9, line 4-column 10, line 23).

Regarding *claim 8*, Gecht discloses the method discussed above in claim 1, and further teaches of the step of displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 9*, Gecht discloses the method discussed above in claim 1, and further teaches that the portable computing device is a smart card (column 8, lines 45-59, and column 9, line 4-column 10, line 23).

Regarding *claim 10*, Gecht discloses the method discussed above in claim 1, and further teaches of the step of displaying on a display of the computing device queued print jobs for a user; and displaying a prompt to make a selection of at least one print job to be printed (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 11*, Gecht discloses the method discussed above in claim 1, and further teaches of the step of displaying on a display screen of the computing device queued print jobs for a user; displaying a prompt to select a management function to perform on the queued print jobs; receiving a selection of a management function; and performing that management function (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 12*, Gecht discloses the method discussed above in claim 11, and further teaches that the management function is reordering print jobs in the On-the-Go Print Queue (column 11, line 36-column 12, line 4).

Regarding *claim 13*, Gecht discloses the method discussed above in claim 12, and further teaches that the management function is deleting a print job from the On-the-Go print (column 11, line 36-column 12, line 4).

Regarding *claim 14*, Gecht discloses a method for On-the-Go printing (see abstract, and Figs. 1-4), comprising the steps of retrieving from a portable computing device (printer polling device 100) a reference to an On-the-Go Print Queue (spooling queue 52 within spooling server 50) located at a site on the public Internet (column 7, lines 11-67, and column 10, lines 24-59); accessing the On-the-Go Print Queue (column 7, lines 11-67, and column 10, lines 24-59); obtaining print data from the On-the-Go Print Queue (column 7, line 26-column 8, line 19); and printing using the print data (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 15*, Gecht discloses the method discussed above in claim 14, and further teaches that the obtaining print data step includes the step of displaying on a display queue print jobs for a user; and displaying a prompt to make a selection of at least one print job to be printed (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 16*, Gecht discloses the method discussed above in claim 15, and further teaches that the displaying steps are performed on a front panel display of a printer (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 17*, Gecht discloses the method discussed above in claim 14, and further teaches that the obtaining step includes the step of displaying on a display print parameter options (column 4, line 61-column 5, line 9, column 8, lines 45-65, and column 9, line 49-column 10-line 59).

Regarding *claim 18*, Gecht discloses the method discussed above in claim 14, and further teaches that the obtaining print data step includes the step of displaying on a display screen queued print jobs for a user; displaying a prompt to select a management function to perform on the queued print jobs; receiving a selection of a management function; and performing that

management function (column 4, line 61-column 5, line 9, column 8, lines 45-65, and column 9, line 49-column 10-line 59).

Regarding *claim 19*, Gecht discloses the method discussed above in claim 18, and further teaches that the management function is reordering print jobs in the On-the-Go Print Queue (column 11, line 31-column 12, line 4).

Regarding *claim 20*, Gecht discloses the method discussed above in claim 18, and further teaches that the management function is deleting a print job from the On-the-Go Print Queue (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 21*, Gecht discloses the method discussed above in claim 14, and further teaches that the obtaining data step includes the step of displaying account information on the cost of printing the print job (column 4, line 61-column 5, line 9, column 8, lines 45-65, column 9, line 49-column 10-line 59, and column 11, line 36-column 12, line 40).

Regarding *claim 22*, Gecht discloses the method discussed above in claim 14, and further teaches of the step of linking to an accounting system to bill/debit a user account for the cost of printing (column 8, lines 45-65).

Regarding *claim 23*, Gecht discloses the method discussed above in claim 22, and further teaches that the accounting system computes a split of any proceeds from the bill/debit step among at least two other parties (column 8, lines 45-65).

Regarding *claim 24*, Gecht discloses the method discussed above in claim 14, and further teaches that the accessing the On-the-Go Print Queue further comprises the step of providing a security ID that is separate from the smart card to the On-the-Go Print Queue to obtain access thereto (column 10, line 5-column 11, line 50).

Regarding *claim 25*, Gecht discloses the method discussed above in claim 14, and further teaches that the obtaining print data step includes the step of providing proof of printer authenticity to the On-the-Go Print Queue (column 9, lines 4-48, and column 10, line 5-column 11, line 50).

Regarding *claim 26*, Gecht discloses the method discussed above in claim 14, and further teaches that the retrieving step includes the step of validating the identity of a printer (column 9, lines 4-48, and column 10, line 5-column 11, line 50).

Regarding *claim 27*, Gecht discloses a printing method comprising the steps of selecting an email message (column 1, lines 36-column 2, line 14, column 7, lines 11-50, and column 14, lines 23-35); converting the email message to print data (column 7, lines 11-50, and column 14, lines 23-35); and transmitting the print data to an On-the-Go Print Queue (spooling queue 52 within spooling server 50) on the public Internet (column 7, lines 11-67, and column 10, lines 24-59).

Regarding *claim 28*, Gecht discloses the method discussed above in claim 27, and further teaches of the step of encrypting the print data, and wherein the transmitting step comprises transmitting the encrypted print data (column 9, line 5-59, and column 10, line 60-column 11, line 12).

Regarding *claim 29*, Gecht discloses the method discussed above in claim 27, and further teaches of the step of transmitting the email to a remote Internet service, to perform the converting step; and editing the email at the remote service; and performing the converting step on the edited email at the remote Internet service (column 9, line 5-59, column 10, line 60-column 11, line 12, and column 14, line 39-column 15, line 35).

Regarding *claim 30*, Gecht discloses the method discussed above in claim 29, and further teaches that the editing step comprises deleting selected data (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 31*, Gecht discloses a method creating customized imaging data (see abstract, Figs. 1-4, and column 8, lines 36-65), comprising the steps of accessing and retrieving based on at least one accessing criterion at least one item of data from at least one Internet web site (column 7, lines 11-50, and column 14, lines 23-35); converting the item of data to print data (column 7, lines 11-50, and column 14, lines 23-35); transferring the print data as a print job to an On-the-Go Print Queue on the internet (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 32*, Gecht discloses the method discussed above in claim 31, and further teaches that the transferring step comprises the step of determining if a transfer criterion is met and only transferring to the On-the-Go Print Queue if the transfer criterion is met (column 10, line 46-column 11, line 31).

Regarding *claim 33*, Gecht discloses the method discussed above in claim 32, and further teaches that the transfer criterion is the inability to transfer the print data to a predetermined Internet location (column 7, lines 11-50, and column 14, lines 23-35).

Regarding *claim 34*, Gecht discloses the method discussed above in claim 33, and further teaches that the predetermined location is a predetermined printer (column 7, lines 11-50, and column 14, lines 23-35).

Regarding *claim 35*, Gecht discloses the method discussed above in claim 32, and further teaches that the print data is encrypted prior to the transferring step; and the transferring step comprises transferring the encrypted print data (column 9, line 4-column 10, line 23).

Regarding *claim 36*, Gecht discloses the method discussed above in claim 31, and further teaches of the step of the On-the-Go Print Queue automatically deleting a print job after a period of time has elapsed (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 37*, Gecht discloses the method discussed above in claim 31, and further teaches of the step of automatically replacing a print job with a new print job based on a replacement criterion (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 38*, Gecht discloses the method discussed above in claim 37, and further teaches that the replacement criterion is that the new print job has the same key words in a title as the print job to be deleted (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 39*, Gecht discloses the method discussed above in claim 31, and further teaches of the step of presenting a prompt to a user to set a parameter for a print job expiration period of time or a replacement criterion (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 40*, Gecht discloses a method for creating customized imaging data (see abstract, Figs. 1-4, and column 8, lines 36-65), comprising the steps of a web-based imaging service receiving an access from a user (column 7, lines 11-50, and column 14, lines 23-35); the web-based imaging service receiving an indication to add graphics from a personal imaging repository of a user to an On-the-Go Print Queue (column 7, lines 11-67, column 8, lines 24-65, see Figs. 1-4); accessing via a user profile of the user a plurality of different graphics from the personal imaging repository; creating a composition that includes a reference therein for each of the plurality of graphics (column 8, lines 36-65); converting imaging data for the composition to

a desired form (column 7, lines 11-50, and column 14, lines 23-35); and transferring 'the converted imaging data to an On-the-Go Print Queue (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 41*, Gecht discloses the method discussed above in claim 40, and further teaches of the step of adding an electronic watermark to the composition (column 12, line 48-column 13, line 19).

Regarding *claim 42*, Gecht discloses a printing method for a web service (see abstract, Figs. 1-4, and column 8, lines 36-65) comprising the steps of accessing a source of data (column 7, lines 11-50, and column 14, lines 23-35); presenting a display indicator for an On-the-Go Print Queue on a web service display (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59); linking via a reference and an encryption key to the On-the-Go Print Queue, when the display indicator is manipulated (column 9, line 4-column 10, line 23); generating generic print data from the source of data (column 14, line 32-column 15, line 20); and transferring the generic print data to the On-the-Go Print Queue (column 7, lines 11-67, column 10, lines 24-59, see Figs. 1-4).

Regarding *claim 43*, Gecht discloses the method discussed above in claim 42, and further teaches that the presenting a display indicator step is performed when a print option designation is made by a user (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 44*, Gecht discloses the method discussed above in claim 42, and further teaches of the step of encrypting the print data with a user's public encryption key; and wherein the transferring step comprises transferring the encrypted print data to the On-the-Go Print Queue (column 9, line 4-column 10, line 23).

Regarding **claim 43**, Gecht discloses the method discussed above in claim 42, and further teaches of the step of only presenting the display indicator for the On-the-Go Print Queue if a display criterion is met (column 13, line 6-column 14, line 65).

Regarding **claim 46**, Gecht discloses the method discussed above in claim 45, and further teaches that the display criterion is that the user is accessing the web service remotely (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding **claim 47**, Gecht discloses the method discussed above in claim 42, and further teaches of the steps of determining if a source of imaging data is an allowed source for the On-the-Go Print Queue; and preventing data from a disallowed source from being transferred to the On-the-Go Print Queue (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding **claim 48**, Gecht discloses the method discussed above in claim 47, and further teaches of the step of selecting allowed sources from a list of sources for use in performing the determining step (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding **claim 49**, Gecht discloses the method discussed above in claim 48, and further teaches that said determining step includes the step of authenticating the source (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding **claim 50**, Gecht discloses the method discussed above in claim 42, and further teaches that the linking step includes the step of obtaining the reference to the On-the-Go Print Queue and the encryption key from a different service located on the public Internet (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding *claim 51*, Gecht discloses the method discussed above in claim 42, and further teaches of the step of providing a web page to view and administer the user's On-the-Go Print Queue (column 7, lines 11-50, and column 14, lines 23-35).

Regarding *claim 52*, Gecht discloses the method discussed above in claim 42, and further teaches of the step of determining a reward for the web service based on the transferring to the On-the-Go Print Queue or a further printing step; and associating the reward with an account for the web service (column 3, line 58-column 4, line 17, and column 8, lines 45-59).

Regarding *claim 53*, Gecht discloses the method discussed above in claim 42, and further teaches of the step of displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding *claim 54*, Gecht discloses a program product for mobile printing (see abstract, and Figs. 1-4), comprising machine-readable program code for causing a machine to perform the method steps of obtaining a portable computing device (printer polling device 100) with a reference to a printer-independent On-the-Go-print queue (spooling queue 52 within spooling server 50) on the Internet (column 7, lines 11-67, and column 10, lines 24-59); obtaining print data (column 7, line 26-column 8, line 19); and transferring the print data to the On-the-Go Print Queue on the internet (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 55*, Gecht discloses the program product discussed above in claim 54, and further teaches of code for performing the step of accessing the On-the-Go Print Queue to set at least one storage or print parameter (column 8, lines 45-59).

Regarding *claim 56*, Gecht discloses the program product discussed above in claim 55, and further teaches that the parameter is the ordering or deletion of print jobs (column 8, lines 45-59).

Regarding *claim 57*, Gecht discloses the program product discussed above in claim 54, and further teaches of code for performing the step of converting 'the print data to generic print data; and wherein the transferring step comprises transferring the generic print data to the On-the-Go Print Queue (column 11, line 55-column 12, line 34, and column 14, line 39-column 15, line 16).

Regarding *claim 58*, Gecht discloses the program product discussed above in claim 54, and further teaches of code for performing the step of encrypting the print data (column 9, lines 4-59); and wherein the transferring step comprises transferring the encrypted print data to the On-the-Go Print Queue (column 9, lines 4-59); and wherein the obtained computing device includes a key for decryption recorded therein (column 9, lines 4-59).

Regarding *claim 59*, Gecht discloses the program product discussed above in claim 58, and further teaches that the encrypting step comprises the steps of encrypting with a session key; and encrypting the session key using a public key (column 9, line 4-column 10, line 23).

Regarding *claim 60*, Gecht discloses the program product discussed above in claim 58, and further teaches that the encrypting step is performed using a public key from a public key-private key pair; and wherein the key for decryption is the private key (column 9, line 4-column 10, line 23).

Regarding *claim 61*, Gecht discloses the program product discussed above in claim 54, and further teaches of code for causing the performance of the step of displaying a message to

the user if print data was successfully submitted to the On-the-Go Print Queue (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 62*, Gecht discloses the program product discussed above in claim 54, and further teaches that the portable computing device is a smart card (column 8, lines 45-59, and column 9, line 4-column 10, line 23).

Regarding *claim 63*, Gecht discloses the program product discussed above in claim 54, and further teaches of code for causing the performance of the steps of displaying on a display of the computing device queued print jobs for a user; and displaying a prompt to make a selection of at least one print job to be printed (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 64*, Gecht discloses the program product discussed above in claim 54, and further teaches of code for performing the steps of displaying on a display screen of the computing device queued print jobs for a user; displaying a prompt to select a management function to perform on the queued print jobs; receiving a selection of a management function; and performing that management function (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 65*, Gecht discloses a program product for On-the-Go printing (see abstract, and Figs. 1-4), comprising machine-readable program code for causing a machine to perform the method steps of retrieving from a portable computing device (printer polling device 100) a reference to an On-the-Go Print Queue (spooling queue 52 within spooling server 50) located at a site on the public internet (column 7, lines 11-67, and column 10, lines 24-59); accessing the On-the-Go Print Queue (column 7, lines 11-67, and column 10, lines 24-59);

obtaining print data from the On-the-Go Print Queue (column 7, line 26-column 8, line 19); and printing using the print data (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 66*, Gecht discloses the program product discussed above in claim 65, and further teaches that the obtaining print data step includes the steps of displaying on a display queue print jobs for a user; and displaying a prompt to make a selection of at least one print job to be printed (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 67*, Gecht discloses the method discussed above in claim 15, and further teaches that the displaying steps are performed on a front panel display of a printer (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 68*, Gecht discloses the program product discussed above in claim 65, and further teaches that the obtaining step includes the step of displaying on a display print parameter options (column 4, line 61-column 5, line 9, column 8, lines 45-65, and column 9, line 49-column 10-line 59).

Regarding *claim 69*, Gecht discloses the program product discussed above in claim 65, and further teaches that the obtaining print data step includes the steps of displaying on a display screen queued print jobs for a user; displaying a prompt to select a management function to perform on the queued print jobs; receiving a selection of a management function; and performing that management function (column 4, line 61-column 5, line 9, column 8, lines 45-65, and column 9, line 49-column 10-line 59).

Regarding *claim 70*, Gecht discloses the program product discussed above in claim 65, and further teaches of code for performing the step of linking to an accounting system to bill/debit a user account for the cost of printing (column 8, lines 45-65).

Regarding *claim 71*, Gecht discloses the program product discussed above in claim 65, and further teaches that the obtaining print data step includes the step of providing proof of printer authenticity to the On-the-Go Print Queue (column 9, lines 4-48, and column 10, line 5-column 11, line 50).

Regarding *claim 72*, Gecht discloses the program product discussed above in claim 65, and further teaches that the retrieving step includes the step of validating the identity of a printer (column 9, lines 4-48, and column 10, line 5-column 11, line 50).

Regarding *claim 73*, Gecht discloses a program product including machine-readable program code for causing a machine to perform the method steps of selecting an email message (column 1, lines 36-column 2, line 14, column 7, lines 11-50, and column 14, lines 23-35); converting the email message to print data (column 7, lines 11-50, and column 14, lines 23-35); and transmitting the print data to an On-the-Go Print Queue (spooling queue 52 within spooling server 50) on the public internet (column 7, lines 11-67, and column 10, lines 24-59).

Regarding *claim 74*, Gecht discloses the program product discussed above in claim 73, and further teaches of code for performing the step of encrypting the print data, and wherein the transmitting step comprises transmitting the encrypted print data (column 9, line 5-59, and column 10, line 60-column 11, line 12).

Regarding *claim 75*, Gecht discloses the program product discussed above in claim 73, and further teaches of code for causing the performance of the step of transmitting the email to a remote Internet service, to perform the converting step; and then editing the email at the remote service; and performing the converting step on the edited email at the remote Internet service

(column 9, line 5-59, column 10, line 60-column 11, line 12, and column 14, line 39-column 15, line 35).

Regarding *claim 76*, Gecht discloses a program product for creating customized imaging data (see abstract, Figs. 1-4, and column 8, lines 36-65), including machine-readable program code for causing a machine to perform the method steps of accessing and retrieving based on at least one accessing criterion at least one item of data from at Least one Internet web site (column 7, lines 11-50, and column 14, lines 23-35); converting the item of data to print data (column 7, lines 11-50, and column 14, lines 23-35); transferring the print data as a print job to an On-the-Go Print Queue on the internet (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 77*, Gecht discloses the program product discussed above in claim 76, and further teaches that the transferring step comprises the step 3f determining if a transfer criterion is met and only transferring lo the On-the-Go Print Queue if the transfer criterion is met (column 10, line 46-column 11, line 31).

Regarding *claim 78*, Gecht discloses the program product discussed above in claim 77, and further teaches that transfer criterion is the inability lo transfer the print data lo a predetermined Internet location (column 7, lines 11-50, and column 14, lines 23-35).

Regarding *claim 79*, Gecht discloses the program product discussed above in claim 76, and further teaches of code for causing the performance of the step of the On-the-Go Print Queue automatically deleting a print job after a period of time has elapsed (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 80*, Gecht discloses the program product discussed above in claim 76, and further teaches of code for causing the performance of the step of automatically replacing a

print job with a new print job based on a replacement criterion (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 81*, Gecht discloses the program product discussed above in claim 76, and further teaches of code for causing the performance of the step of presenting a prompt to a user to set a parameter for a print job expiration period of time or a replacement criterion (column 8, lines 45-59, and column 11, line 31-column 12, line 4).

Regarding *claim 82*, Gecht discloses a program product for creating customized imaging data (see abstract, Figs. 1-4, and column 8, lines 36-65), including machine-readable program code for causing a machine to perform the method steps of a web-based imaging service receiving an access from a user (column 7, lines 11-50, and column 14, lines 23-35); the web-based imaging service receiving an indication to add graphics from a personal imaging repository of a user to an On-the-Go Print Queue (column 7, lines 11-67, column 8, lines 24-65, see Figs. 1-4); accessing via a user profile of the user a plurality of different graphics from the personal imaging repository (column 7, lines 11-67, and column 8, lines 24-65); creating a composition that includes a reference therein for each of the plurality of graphics (column 8, lines 36-65); converting imaging data for the composition to a desired form (column 7, lines 11-50, and column 14, lines 23-35); and transferring the converted imaging data to an On-the-Go Print Queue (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 83*, Gecht discloses a program product for a web service printing method (see abstract, Figs. 1-4, and column 8, lines 36-65) including machine-readable program code for causing a machine to perform the method steps of accessing a source of data (column 7, lines 11-50, and column 14, lines 23-35); presenting a display indicator for an On-the-Go Print

Queue on a web service display (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59); linking via a reference and an encryption key to the On-the-Go Print Queue, when the display indicator is manipulated (column 9, line 4-column 10, line 23); generating generic print data from the source of data (column 14, line 32-column 15, line 20); and transferring the generic print data to the On-the-Go Print Queue (column 7, lines 11-67, column 10, lines 24-59, see Figs. 1-4).

Regarding *claim 84*, Gecht discloses the program product discussed above in claim 83, and further teaches of code for causing the performance of the step of encrypting the print data with a user's public encryption key; and wherein the transferring step comprises transferring the encrypted print data to the On-the-Go Print queue (column 9, line 4-column 10, line 23).

Regarding *claim 85*, Gecht discloses the program product discussed above in claim 83, and further teaches of code for causing the performance of the step of only presenting the display indicator for the On-the-Go Print Queue if a display criterion is met (column 13, line 6-column 14, line 65).

Regarding *claim 86*, Gecht discloses the program product discussed above in claim 83, and further teaches of code for causing the performance of the following steps of determining if a source of imaging data is an allowed source for the On-the-Go Print Queue; and preventing data from a disallowed source from being transferred to the On-the-Go Print Queue (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding *claim 87*, Gecht discloses the program product discussed above in claim 86, and further teaches of code for causing the performance of the step of selecting allowed sources

from a list of sources for use in performing the determining step (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding *claim 88*, Gecht discloses the program product discussed above in claim 83, and further teaches of code for causing the performance of the steps of determining a reward for the web service based on the transferring to the On-the-Go Print Queue or a further printing step; and associating 'the reward with an account for the web service (column 3, line 58-column 4, line 17, and column 8, lines 45-59).

Regarding *claim 89*, Gecht discloses the program product discussed above in claim 83, and further teaches of code for causing the performance of the step of displaying a message to the user if print data was successfully submitted to the On-the-Go Print Queue (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding *claim 90*, Gecht discloses a computing device for mobile printing (printer polling device 100, see abstract, and Figs. 1-4), comprising a reference to a printer-independent On-the-Go-print queue (spooling queue 52 within spooling server 50) on the Internet (column 7, lines 11-67, and column 10, lines 24-59); a component for converting print data to a predetermined format (column 7, line 11-column 8, line 59, and column 14, lines 32-column 15, lines 57); a component for encrypting the converted print data (column 9, line 4-column 10, line 59); and a component for transferring the print data to the On-the-Go Print Queue on the Internet (column 7, lines 11-67, see Figs. 1-4).

Regarding *claim 91*, Gecht discloses the device discussed above in claim 90, and further teaches of a component for accessing the On-the-Go Print Queue to set at least one storage or print parameter (column 8, lines 45-59)..

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Regarding *claim 92*, Gecht discloses the program product discussed above in claim 90, and further teaches of a component for displaying on a display of the computing device queued print jobs for a user; and displaying a prompt to make a selection of at least one print job to be printed (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding *claim 93*, Gecht discloses a printer for facilitating mobile computing (see abstract, and Figs. 1-4), comprising a component for accessing the internet (column 7, lines 11-67, and column 10, lines 24-59); structure for reading a smart card and obtaining a reference to an On-the-Go print queue on the Internet (column 8, lines 36-65); a component for accessing the On-the-Go print queue and downloading therefrom print data (column 8, line 36-column 9, line 59, and column 10, line 60-column 11, line 12); and structure for printing the print data (column 9, lines 49-60).

Regarding *claim 94*, Gecht discloses the printer discussed above in claim 93, and further teaches of decryption engine for decrypting the print data prior to printing (column 10, line 60-column 11, line 24).

Regarding *claim 95*, Gecht discloses the printer discussed above in claim 94, and further teaches of a component for accessing the smart card to obtain a decryption key in order to facilitate the decryption of the print data (column 8, line 36-column 9, line 59, and column 10, line 60-column 11, line 12).

Regarding *claim 96*, Gecht discloses the printer discussed above in claim 94, and further teaches of a component for causing the smart card to decrypt a session key, and a decryption engine for decrypting the print data using the session key (column 8, line 36-column 9, line 59, and column 10, line 60-column 11, line 12).

Regarding ***claim 97***, Gecht discloses the printer discussed above in claim 93, and further teaches of a component for displaying on a printer display screen queued print jobs for a user; displaying a prompt to select a management function to perform on the queued print jobs; receiving a selection of a management function; and performing that management function (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding ***claim 98***, Gecht discloses the printer discussed above in claim 97, and further teaches that the management function is reordering print jobs in the On-the-Go Print Queue or printing a print job (column 11, line 31-column 12, line 4).

Regarding ***claim 99***, Gecht discloses the printer discussed above in claim 97, and further teaches that the displaying steps are performed on a front panel display of a printer (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Regarding ***claim 100***, Gecht discloses the method discussed above in claim 93, and further teaches of a component for determining if a source of imaging data is an allowed source for the On-the-Go Print Queue and preventing data from a disallowed source from being transferred to the On-the-Go Print Queue (column 9, line 4-column 10, line 23, and column 10, line 60-column 11, line 31).

Regarding ***claim 101***, Gecht discloses the printer discussed above in claim 93, and further teaches of a component for sending a message to the user at a remote site on the Internet if print data was successfully downloaded from the On-the-Go Print Queue and printed (column 4, line 61-column 5, line 9, and column 9, line 49-column 10-line 59).

Citation of Pertinent Prior Art

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Matsubayashi et al. (U.S. Patent Application Publication 2003/0093670) discloses a system for remotely obtaining temporary exclusive control of a device;

Mazzagatte et al. (U.S. Patent Number 6,862,583) discloses a system for authenticated secure printing; and

Barnard et al. (U.S. Patent Number 6,920,506) discloses a system for managing network printers.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joe Pokrzywa whose telephone number is (571) 272-7410. The examiner can normally be reached on Monday-Friday, 9:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on (571) 272-7402. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Joseph R. Pokrzywa
Primary Examiner
Art Unit 2622

jrp

